

New Firmware Information

MCU 1.16 / 11/10/2014

- * Adds transverter support; two new menu entries XV Gain and XV Invert allow the user to change the gain and tuning inversion based on the transverter band.
- * Adds 2 more pixels between the top of the decoded text and the frame of spectrum/waterfall area.
- * Separate text sub-menu added.
- * Text Enb turns on/off text decode display so it can be used with a function key.
- * AutoTxt menu allows text decode display to follow enables text decode on/off based on KX3 mode. When enabled going to CW, or data modes automatically turns on text decode in PX3, then switches off when exiting back to USB/LSB/AM/FM etc.
- * Text window displays “Text Display” when first text window is first initialized, clears when Rx text is displayed, or after 4 second delay.

MCU 1.12 / 10/03/2014

- * Fixes a bug which required extra encoder turns to change the span.
- * Text decode feature added. A long key press of the MENU/LABELS key now is used to: show labels, not show labels or turn on text decode.
- * Text decode shows the receive characters in white, transmit characters in green.
- * Noise Blanker on/off now shows the on/off state in the menu, just like other menu functions.

*** Rev. 1.12 of the PX3 requires KX3 version 2.24 or later**

MCU 1.11 / 09/26/2014

- * Fixes a bug in which an attached KXPA100 would randomly turn off.
- * Fixes a bug in which the KX3 would band change for no apparent reason.
- * Noise Blanker icon now displays as “NB” in blue on a white background.
- * Stepped Span mode is enabled by default after a configuration reset.
- * Fixed up the keyboard scan, long and short key presses are detected more accurately.
- * An EEPROM read/write test is now performed each time the unit is powered up.

MCU 1.09 / 09/19/2014

- * Stepped span feature added.

- * Fixed bug that caused a connected KXPA100 to turn off and/or PX3 to lock-up.
- * Removed REF COMP mode.
- * Span Autoscale now defaults to OFF after a configuration reset.
- * Fixed pixel artifacts at top of screen and narrow tick marks when tuning VFO.
- * Fixed bug that cause the MKRA and/or MKRB to not reset on a band change.
- * Serial command #CAL added. #CAL1 turns on calibrator, #CAL0 turns it off.
- * Fixed bug in which Ref Lvl was not getting saved per band.

*** Rev. 1.08 of the PX3 requires KX3 version 2.21 or later**

MCU 1.07 / 09/03/2014

- * Span-per-mode is the same for USB and LSB, CW and CW Rev.
- * Fixed spectrum display "wrap" on strong signals.
- * Fixed bug in which EEPROM write failed, causing EEPROM corruption.
- * Added REF COMP feature to automatically change REF LVL when using preamp/attenuator at the KX3.

NOTE: This feature defaults to OFF. Turning it ON is most useful if you have an extremely low noise level at your QTH on most bands. Under these conditions, PRE and ATTN settings can have a large effect on the location of the PX3's noise floor, and REF COMP may lessen the need for constant adjustment of the REF level as you change PRE/ATTN.

*** Rev. 1.07 of the PX3 requires KX3 version 2.19 or later**

MCU 1.04 / 08-20-2014

- * Span is now per mode instead of per band.
- * Adds stepped span mode, when enabled (in menu) span steps are 2, 5, 10, 20, 50, 100 & 200 KHz.
- * Adds "NB" icon text in upper right corner when noise blanker is enabled.
- * Refresh rate now defaults to 80 (after parameter init).
- * Fixes a bug in which the sampling rate was not set correctly after a power cycle.

MCU 1.03 / 08-15-2014

- * Adds per band values for span and scale.
- * Adds configuration save and restore using PX3 utility (version 1.14.8.12)
- * Fixes loss/corruption of configuration data.

- * Fixes KXPA control so KX3 can turn on/off amplifier through PX3.

- * Minor bug fixes.

MCU 1.02 / 08-07-2014

- * Initial production release of PX3 firmware.